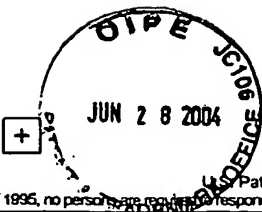


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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/829,432
		Filing Date	April 21, 2004
		First Named Inventor	Saverio Carl Falco et al.
		Group Art Unit	Unknown
		Examiner Name	Unknown
		Attorney Docket Number	BB1167USCNT
Sheet	1	of	2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PTB		FRANK W. SMITH ET AL., PNAS, vol. 92:9373-9377, 9/1995, Plant Members of a Family of Sulfate Transporters Reveal Functional Subtypes	
		ANGELO BOLCHI ET AL., Plant Mol. Biology, vol. 39:527-537, 1999, Coordinate Modulation of Maize Sulfate Permease and ATP Sulfurylase mRNAs in Response to Variations in Sulfur Nutritional Status: Stereospecific Down-Regulation by L-Cysteine	
		AMIT SETYA ET AL., PNAS, vol. 93:13383-13388, 11/96, Sulfate Reduction in Higher Plants: Molecular Evidence for a Novel 5'-adenylylsulfate Reductase	
		KEIKO YONEKURA-SAKAKIBARA ET AL., J. Biochem., vol. 124:615-621, 1998, Molecular Characterization of Tobacco Sulfite Reductase: Enzyme Purification, Gene Cloning, and Gene Expression Analysis	
		KAZUKI SAITO ET AL., J. Biol. Chem., vol. 270(27):16321-16326, 7/7/1995, Molecular Cloning and Characterization of a Plant Serine Acetyltransferase Playing a Regulatory Role in Cysteine Biosynthesis from Watermelon	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2832300, 8/10/98, ARZ, H.E., A cDNA for Adenylyl Sulphate (APS)-kinase from Arabidopsis Thaliana	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1076283, 12/7/99, ARZ, H.E. ET AL., A cDNA for Adenylyl Sulphate (APS)-kinase from Arabidopsis Thaliana	
		HILDEGARD E. ARZ ET AL., Biochimica et Biophysica Acta, vol. 1218:447-452, 1994, A cDNA for Adenylyl Sulphate (APS)-kinase from Arabidopsis Thaliana	
		JULIE ANN BICK ET AL., Current Opinion in Plant Biol., vol. 1(3):240-244, 6/1998, Plant Sulfur Metabolism - the Reduction of Sulfate to Sulfite	
		SANDRA SCHIFFMANN ET AL., FEBS Letters, vol. 355:229-232, 1994, APS-Sulfotransferase Activity is Identical to Higher Plant APS-kinase	
		AJAY JAIN ET AL., Plant Phys., vol. 105:771-772, 1994, A cDNA Clone for 5'-Adenylylphosphosulfate Kinase from Arabidopsis Thaliana	

Examiner Signature	Phuong Thi	Date Considered	9/17/05
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/829,432
		Filing Date	April 21, 2004
		First Named Inventor	Saverio Carl Falco et al.
		Group Art Unit	Unknown
		Examiner Name	Unknown
		Attorney Docket Number	BB1167USCNT
Sheet	2	of	2

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Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
PTB		CHEN, Y ET AL., Plant Phys.- Suppl., vol. 108(2):72, 8/1995, Sulfate-Regulated Expression of ATP Sulfurylase and Adenosine-5'-Phosphosulfate Kinase in Brassica Juncea	
↓		SANGMAN LEE ET AL., Biochem. and Biophys. Res. Comm., vol. 247:171-175, 1998, APS Kinase from Arabidopsis thaliana: Genomic Organization, Expression, and Kinetic Analysis of the Recombinant Enzyme	
↓		WALBOT, V., EMBL ACCESSION NO. A1637166, 4/27/99, Maize ESTs from Various cDNA Libraries Sequenced at Stanford University, XP002123195	

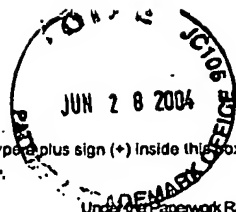
Examiner Signature	Phuong Bui	Date Considered	9/17/05
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/829,432
		Filing Date	April 21, 2004
		First Named Inventor	Saverio Carl Falco et al.
		Group Art Unit	Unknown
		Examiner Name	Unknown
Sheet	1	of	3
		Attorney Docket Number	BB1167USCNT

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PTB		EMBL SEQUENCE LIBRARY DATA ACCESSION NO: D89631, 07-30-97, SOHLBERG, L.E. ET AL., Nucleotide Sequence of a cDNA encoding a Cys proteinase from germinating bean cotyledons, XP-002129910	
		EMBL SEQUENCE LIBRARY DATA ACCESSION NO: O49307, 06-01-98, FEDERSPIEL, N.A. ET AL., XP-002129911	
		EMBL SEQUENCE LIBRARY DATA ACCESSION NO: D25000, 11-30-93, MINOBE, Y. ET AL., Rice cDNA from root, XP-002129912	
		FRANK W. SMITH ET AL., PNAS, Vol. 92:9373-9377, 9/1995, Plant members of a family of sulfate transporters reveal functional subtypes, XP-002129913	
		HIDEKI TAKAHASHI ET AL., Plant & Cell Phys., vol. 39 suppl, pp.S148, 1998, Antisense repression of sulfate transporter in transgenic Arabidopsis thaliana plants, XP-002121793	
		HIDEKI TAKAHASHI ET AL., PNAS, vol. 94:11102-11197, 9/1997, Regulation of sulfur assimilation in higher plants: A sulfate transporter induced in sulfate-starved roots plays a central role in Arabidopsis thaliana	
		EMBL SEQUENCE LIBRARY DATA ACCESSION NO: X96781, 03-25-97, NG, A. ET AL., Isolation & characterization of a lowly expressed cDNA from the resurrection grass Sporobolus stapfianus with homology to eukaryote sulfate transporter proteins, XP-002121791	
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		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: O48889, 06-01-1998, BOLCHI, A. ET AL.	
		FRANK W. SMITH ET AL., The Plant Journal, vol. 12(4):875-884, 1997, Regulation of expression of a cDNA from barley roots encoding a high affinity sulphate transporter, XP-002129909	
		ANTJE PRIOR ET AL., Biochimica et Biophysica Acta, vol. 1430:25-38, 1999, Structural and kinetic properties of adenylyl sulfate reductase from Catharanthus roseus cell cultures	

Examiner Signature	Phuong TB	Date Considered	9/17/05
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/829,432
				Filing Date	April 21, 2004
				First Named Inventor	Saverio Carl Falco et al.
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	2	of	3	Attorney Docket Number	BB1167USCNT

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
PTB		SENTA HEISS ET AL., Plant Mol. Biol., vol. 39:847-857, 1999, Cloning sulfur assimilation genes of Brassica juncea L.: cadmium differentially affects the expression of a putative low-affinity sulfate transporter and isoforms of ATP sulfurylase and APS reductase		
		JOHN L. WRAY ET AL., Chemico-Biological Interactions, vol. 109:153-167, 1998, Redefining reductive sulfate assimilation in higher plants: a role for APS reductase, a new member of the thioredoxin superfamily?		
		JULIE ANN BICK ET AL., Current Opinion in Plant Biology, 1998, pp. 240-244, Plant sulfur metabolism - the reduction of sulfate to sulfite		
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		JOSE F. GUTIERREZ-MARCOS ET AL., PNAS, vol. 93:13377-13382, 1996, Three members of a novel small gene-family from Arabidopsis thaliana able to complement functionally an Escherichia coli mutant defective in PAPS reductase activity encode proteins with a thioredoxin-like domain and "APS reductase" activity		
		AMIT SETYA ET AL., PNAS, vol. 93:13383-13388, 1996, Sulfate reduction in higher plants: Molecular evidence for a novel S'-adenylylsulfate reductase		
		EMBL SEQUENCE LIBRARY DATA ACCESSION NO: C27405, 08-06-97, SASAKI, T. ET AL., Rice cDNA from callus, XP-002121812		
		EMBL SEQUENCE LIBRARY DATA ACCESSION NO: AF071890, 06-29-98, MBEGUIE-A-MBEGUIE D. ET AL., Molecular cloning and partial nucleotide sequence of a sulfite reductase from apricot fruit, XP-002128211		
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✓		CHRISTINE BORK ET AL., Gene, vol. 212:147-153, 1998, Isolation and characterization of a gene for assimilatory sulfite reductase from Arabidopsis thaliana		

Examiner Signature	Phuong Phan	Date Considered	9/17/05
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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
		Application Number	10/829,432
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Filing Date	April 21, 2004
		First Named Inventor	Saverio Carl Falco et al.
		Group Art Unit	Unknown
		Examiner Name	Unknown
		Attorney Docket Number	BB1167USCNT
Sheet	3	of	3
(use as many sheets as necessary)			

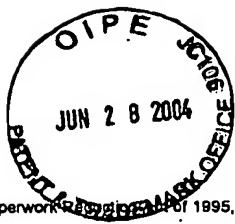
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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PTB		ANDREAS BRUHL ET AL., Biochimica et Biophysica Acta, vol. 1295:119-124, 1996, A cDNA clone from Arabidopsis thaliana encoding plastidic ferredoxin: sulfite reductase	
		DATABASE WPI, DERWENT PUBL., LTD., JP-62 455773, MITSUBISHI CORP., 9/6/94, XP-002121814	
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		KAZUKI SAITO ET AL., Plant Phys., vol. 106:887-895, 1994, Modulation of Cystine Biosynthesis in Chloroplasts of Transgenic Tobacco Overexpressing Cystine Synthase [O-Acetylserine(thiol)-lyase]1	
		KAZUKI SAITO ET AL., Comptes Rendu De L'Academie Des Sciences, vol. 319:969-973, 1996, Molecular characterization of cysteine biosynthetic enzymes in plants	
		YOO, B. ET AL., Plant Phys. suppl., vol. 114:267, 1997, Regulation of recombinant soybean serine acetyltransferase by CDPK	
		EMBL SEQUENCE LIBRARY DATA ACCESSION NO: p93544, 05-01-97, SAITO, K. ET AL., XP-002128628	
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		MICHAEL A. ROBERTS ET AL., Plant Molecular biology, vol. 30:1041-1049, 1996, Cloning and characterisation of an Arabidopsis thaliana cDNA clone encoding an organellar isoform of serine acetyltransferase	
		KAZUKI SAITO ET AL., Journ. of Biol. Chem., vol. 270(27):18321-18326, 1995, Molecular cloning and characterization of a Plant Serine acetyltransferase playing a regulatory role in cysteine biosynthesis from watermelon	

Examiner Signature	Phuong TBul	Date Considered	9/17/05
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/829,432
Filing Date	April 21, 2004
First Named Inventor	Stephen M. Allen Et. Al.
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1167USCNT

Sheet 1 of 1

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PTB		DEYRUP, ANDREA T. et al., "Deletion and Site-directed Mutagenesis of the ATP-binding Motif (P-loop) in the Bifunctional Murine Atp-Sulfurylase/Adenosine 5'-Phosphosulfate Kinase Enzyme," The Journal of Biological Chemistry, April 17, 1998, pp. 9450-9456, Vol. 273, No. 16	<input type="checkbox"/>
↓		MACRAE, IAN J. et al., "Crystal Structure of Adenosine 5'-Phosphosulfate Kinase from Penicillium chrysogenum," Biochemistry, 2000, pp. 1613-1621, Vol. 39	<input type="checkbox"/>
		SATISHCHANDRAN, C. et al., "Characterization of the Phosphorylated Enzyme Intermediate Formed in the Adenosine 5'-Phosphosulfate Kinase Reaction," Biochemistry, 1992, pp. 11684-11688, Vol. 31	<input type="checkbox"/>
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Date  
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